FDOT Training Course

Title: **Florida Geographic Data Library (FGDL) using ArcGIS 10**
Length: 2 ½ days
Prerequisites: None
Level: Beginner to Intermediate
Location: Gainesville, Florida; UF TREEO Center
Period: June 15, 16, 17, 2016
Audience: Users with no or little knowledge of ArcGIS and/or FGDL

Description
This is a training course that introduces the Florida Geographic Data Library (FGDL) GIS database using ESRI's ArcGIS software. FGDL contains over 350 layers of GIS data, for the state of Florida and is used by many FDOT application areas including Efficient Transportation Decision Making (ETDM). The course presents an overview of FGDL data organization and sources and teaches how to access and use the FGDL data and associated documentation using ArcGIS software. In addition, students will learn conceptual and practical skills of the ArcGIS software through hands-on GIS exercises that use FGDL data, as well as fundamental GIS concepts necessary for everyone that uses GIS in professional practice.

Topical Outline

Day 1 1:00PM – 4:30PM	Day 2 8:30AM – 4:30PM	Day 3 8:30AM – 4:30PM
INTRODUCTION TO ARCMAP	***INTRODUCTION TO FGDL***	***ADVANCED GIS ANALYSIS USING FGDL DATA***
ArcGIS Basics	What is the FGDL?	Buffer
What is GIS?	Current FGDL Release	Clip
Creating a Project	FGDL Metadata Explorer	Merge
Making Maps	FGDL Mailing List	Erase
Layers and Data Frames	FGDL Projection	Dissolve
Bookmarks		Intersect
Adding data to your Map	***FGDL METADATA***	Identity
Displaying Data	Why read the metadata?	Union
Symbology	FGDL Metadata	
Manipulating your Map	How to get to the Metadata	**Additional Examples**
Labels		
Using Tables	***BASIC GIS ANALYSIS***	
Viewing Metadata with ArcCatalog	Symbolizing FGDL Data	
Map Elements	Exploring FGDL Data Tables	
	Querying FGDL Data	
Data Concepts	Using FGDL Data to query other FGDL Data	
Vector vs. Raster	Creating Shapefiles from FGDL Data	
File Formats	Editing FGDL Data Tables	
Map Projections		
Map Scale		
Accuracy and Precision		